	SOURCES MINING		FOR						
APPLIC		1. WELL NAME and NUMBER Hoss 124-34							
2. TYPE OF WORK  DRILL NEW WELL REENTER P&A WELL DEEPEN WELL DEEPEN WELL					3. FIELD OR WILD	CAT NATURAL BUTTES			
4. TYPE OF WELL Gas We	II Coalb	ed Methane Well: NO			5. UNIT or COMMU	NITIZATION AGRE	EMENT NAME		
6. NAME OF OPERATOR	EOG Resou	rces, Inc.			7. OPERATOR PHONE 435 781-9111				
8. ADDRESS OF OPERATOR		), Vernal, UT, 84078			9. OPERATOR E-MA	AIL gardner@eogresource	es com		
10. MINERAL LEASE NUMBER	Lust riigiiway it	11. MINERAL OWNE	RSHIP		12. SURFACE OWN	-			
(FEDERAL, INDIAN, OR STATE) UTU64422		FEDERAL ( IND:	IAN ( STATE (	FEE (		DIAN 🗍 STATE (			
13. NAME OF SURFACE OWNER (if box 12	= 'fee')				14. SURFACE OWN	ER PHONE (if box 1	.2 = 'fee')		
15. ADDRESS OF SURFACE OWNER (if box	12 = 'fee')				16. SURFACE OWN	ER E-MAIL (if box 1	l2 = 'fee')		
17. INDIAN ALLOTTEE OR TRIBE NAME		18. INTEND TO COM MULTIPLE FORMATI		TON FROM	19. SLANT				
(if box 12 = 'INDIAN')		I —	ommingling Applicat	ion) NO 📵	VERTICAL DIRECTIONAL HORIZONTAL				
20. LOCATION OF WELL	FO	OTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN		
LOCATION AT SURFACE	2175 F	SL 572 FEL	NESE	34	8.0 S	23.0 E	S		
Top of Uppermost Producing Zone	2175 F	SL 572 FEL	NESE	34	8.0 S	23.0 E	S		
At Total Depth	2175 F	SL 572 FEL	NESE	34	8.0 S	23.0 E	S		
21. COUNTY UINTAH		22. DISTANCE TO N	EAREST LEASE LIN	E (Feet)	23. NUMBER OF ACRES IN DRILLING UNIT				
		25. DISTANCE TO NE (Applied For Drilling		AME POOL	<b>26. PROPOSED DEPTH</b> MD: 9350 TVD: 9350				
27. ELEVATION - GROUND LEVEL		28. BOND NUMBER	2303		29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE				
5070			NM2308		49-225				
		АТ	TTACHMENTS						
VERIFY THE FOLLOWING	ARE ATTACH	ED IN ACCORDANG	CE WITH THE U	TAH OIL AND (	GAS CONSERVATI	ON GENERAL RU	ILES		
WELL PLAT OR MAP PREPARED BY	LICENSED SUR	VEYOR OR ENGINEER	сом г	IPLETE DRILLING	G PLAN				
AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)				FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)				TOPOGRAPHICAL MAP					
NAME Kaylene Gardner TITLE Regulatory Administrator				PHONE 435 781-9111					
<b>SIGNATURE DATE</b> 08/23/2009				EMAIL kayle	ne_gardner@eogreso	urces.com			
APPROVAL 43047506670000				Boll	refill				
				Permit	Permit Manager				

API Well No: 43047506670000 Received: 8/23/2009

	Proposed Hole, Casing, and Cement					
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
Prod	7.875	4.5	0	8950		
Pipe	Grade	Length	Weight			
	Grade N-80 LT&C	9350	11.6			Г

API Well No: 43047506670000 Received: 8/23/2009

	Proposed Hole, Casing, and Cement						
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)			
Surf	12.25	9.625	0	2300			
Pipe	Grade	Length	Weight				
	Grade J-55 ST&C	2300	36.0				

INC.

#### T8ST9SLEGEND: N00°07'07"W -2638.93' (Meas.) N00°09'01"W -2634.92' II 1916 Brass Cap 1.2' High, Pile of Stones 1977 Brass Cap 0.7' High, Small pile of Stones PROPOSED WELL HEAD 90° SYMBOL SECTION CORNERS LOCATED 1916 Brass Cap N89°50'49"E -N89°53'02"W 2641.85' (Meas.) 2644.10' (Meas. R23E, S.L.B.&M Elev. Ungraded Ground LATITUDE LONGITUDE LONGITUDE LATITUDE (NAD 27) (NAD 83) 34 #124-34 1916 Brass Cap 1.3' High, Scattered Stones 1977 Brass Cap 0.4' High, Pile of Stones N89°57'39"W S89°49'39"E II II II 10918'20.97" 109°18'18.53" 40.04'40.60" 40°04'40.48" 1 1 2639.44' (Meas.) 2638.80 5070 (40.077911) (109.305147)(40.077944)(109.305825) 1916 Brass Cap 1.0' High, Steel 1916 Brass Cap 0.7' High, Steel Post, Scattered (Meas. 2175 738.46 572 S00°08'18"E 2644.77 S00°09'58"E 2635.25 Brass Cap PARTY SCALE WEATHER DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4697 FEET. 35, T8S, R21E, S.L.B.&M., TAKEN FROM THE OURAY SE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES BENCH MARK 20EAM LOCATED IN THE SE 1/4 OF SECTION 85 SOUTH \_; shown in the NE 1/4 SE 1/4 of Section 34, Well location, HOSS #124—34, located as T8S, R23E, S.L.B.&M., Uintah County, Utah. UNTAH ġ THIS IS TO CERTIFY THAT THE ABOVE PLAY WAS PREPARED THE FIELD NOTES OF ACTUAL SURVEYS MANY BY ME OR TUNDER WE SUPERVISION AND THAT THE SAME AT TRUE AND CORRECT THE FIELD OF THE SURVEY AND CORRECT THE SAME AT TRUE AND CORRECT THE SAME AND CORRECT THE SAME AT TRUE AND CORRECT TH BASIS OF BEARINGS IS A G.P.S. OBSERVATION. BEST OF MY KNOWLEDGE AND BELIE 1000 . В.Е. 1000 臣OG ENGINEERING 200 EAST BASIS OF BEARINGS BASIS OF S.P. 500 RESOURCES, S (435) 789–1017 С А L CERTIFICATE STATE ON UTAMPE OF UTAM REGIS REGISTRATION, NO. 161319 ELEVATION ጵ F REFERENCES DATE SURVEYED: 10-01-08 EOG RESOURCES, ш VERNAL, UTAH PRED LAND ISUAVEYOR G.L.O. LAND INC. PLAT SURVEYING 1000 DATE DRAWN: 10-02-08 84078

### **HOSS 124-34**

# NE/SE, SEC. 34, T8S, R23E, S.L.B.&M.. UINTAH COUNTY, UTAH

# 1. & 2. ESTIMATED TOPS & ANTICIPATED OIL, GAS, & WATER ZONES:

FORMATION	TVD-RKB (ft)	Objective	Lithology	
Green River	2,077		Shale	
Mahogany Oil Shale Bed	2,725		Shale	
Wasatch	4,945	Primary	Sandstone	Gas
Chapita Wells	5,535	Primary	Sandstone	Gas
Buck Canyon	6,198	Primary	Sandstone	Gas
North Horn	6,758	Primary	Sandstone	Gas
KMV Price River	7,162	Primary	Sandstone	Gas
KMV Price River Middle	7,832	Primary	Sandstone	Gas
KMV Price River Lower	8,631	Primary	Sandstone	Gas
Sego	9,144		Sandstone	
TD	9,350			

Estimated TD: 9,350' or 200'± below TD Anticipated BHP: 5,105 Psig

- 1. Fresh Waters may exist in the upper, approximately 1,000 ft ± of the Green River Formation, with top at about 2.000 ft ±.
- 2. Cement isolation is installed to surface of the well isolating all zones by cement.

## 3. PRESSURE CONTROL EQUIPMENT:

Production Hole – 5000 Psig BOP schematic diagrams attached.

# 4. CASING PROGRAM:

CASING	Hole Size	<u>Length</u>	<u>Size</u>	WEIGHT	<u>Grade</u>	Thread	Rating Collapse	Factor Burst	<u>Tensile</u>
Conductor	20"	0 – 60'	14"	32.5#	A-252	STC		1,880 PSI	10,000#
Surface	12 1/4"	0 – 2,300' KB±	9-5/8"	36.0#	J-55	STC	2020 PSI	3520 Psi	394,000#
Production	7-7/8"	Surface - TD	4-1/2"	11.6#	P-110	LTC	<b>7560 PSI</b>	10,690 Psi	279,000#

Note: 12-1/4" surface hole will be drilled to a total depth of 200'± below the base of the Green River lost circulation zone and cased w/9-5/8" as shown to that depth. Drilled depth may be shallower or deeper than the 2300' shown above depending on the actual depth of the loss zone.

All casing will be new or inspected.

# **HOSS 124-34**

# NE/SE, SEC. 34, T8S, R23E, S.L.B.&M.. UINTAH COUNTY, UTAH

### 5. Float Equipment:

### Surface Hole Procedure (0'- 2300'±)

Guide Shoe

Insert Float Collar (PDC drillable)

Centralizers: 1-5' above shoe, top of jts. #2 and #3 then every 5<sup>th</sup> joint to surface. (15 total)

# **Production Hole Procedure (2300'± - TD):**

Float shoe, 1 joint casing, float collar and balance of casing to surface. 4-½", 11.6#, N-80 or equivalent marker collars or short casing joints to be placed at top of Price River and 400' above top of Wasatch. Centralizers to be placed 5' above shoe on joint #1, top of joint #2, and every 3rd joint to 400' above the top of primary objective. Thread lock float shoe, top and bottom of float collar, and top of 2<sup>nd</sup> joint.

#### 6. MUD PROGRAM

#### Surface Hole Procedure (Surface - 2300'±):

Air/air mist or aerated water.

#### **Production Hole Procedure (2300'± - TD):**

Anticipated mud weight 9.5 - 10.5 ppg depending on actual wellbore conditions encountered while drilling.

2300'± - TD A closed mud system will be utilized. A bentonite gelled water mud system will be used to control viscosity w/PHPA polymer used for supplemental viscosity and clay encapsulation/inhibition. Water loss will be maintained at <15cc's using white starch or PAC. Bactericides will be used as needed. Anticipated pH will range from 9.0-10.0. Mud weight will be adjusted as necessary for well control. Deflocculants/thinners will be used as necessary to maintain mud quality. LCM sweeps will be utilized as necessary to control lost circulation and mud loss. CO2 contamination, if encountered, will be treated with lime and gypsum.

# **HOSS 124-34**

# NE/SE, SEC. 34, T8S, R23E, S.L.B.&M.. UINTAH COUNTY, UTAH

### 7. VARIANCE REQUESTS:

Reference: Onshore Oil and Gas Order No. 1
Onshore Oil and Gas Order No. 2 – Section E: Special Drilling Operations

- EOG Resources, Inc. requests a variance to regulations requiring a straight run blooie line to be 100' in length. (Where possible, a straight run blooie line will be used).
- o EOG Resources, Inc. requests a variance to regulations requiring the blooie line to be 100' in length. To reduce location excavation, the blooie line will be approximately 75' in length.
- EOG Resources, Inc. requests a variance to regulations, during air drilling operations only, requiring dedusting equipment. Dust during air drilling operations is controlled by water mist.
- EOG Resources, Inc. requests a variance to regulations, during air drilling operations only, requiring an automatic igniter or continuous pilot light on the blooie line. (Not required on aerated water system).
- EOG Resources, Inc. requests a variance that compressors are located in the opposite direction from the blooie line a minimum of 100 feet from the well bore. (Air Compressors are rig mounted).

# 8. EVALUATION PROGRAM:

**Logs:** Mud log from base of surface casing to TD.

Cased-hole Logs: Cased-hole logs will be run in lieu of open-hole logs consisting of the following:

**Cement Bond / Casing Collar Locator and Pulsed Neutron** 

# **HOSS 124-34**

# NE/SE, SEC. 34, T8S, R23E, S.L.B.&M.. UINTAH COUNTY, UTAH

#### 9. CEMENT PROGRAM:

# Surface Hole Procedure (Surface - 2300'±):

Lead: 185 sks Class "G" cement with 16% Gel, 10 #/sx Gilsonite, 3% Salt, 2% CaCl<sub>2</sub>,

3 lb/sx GR3 ¼ #/sx Flocele mixed at 11 ppg, 3.82 ft<sup>3</sup>/sk. yield, 23 gps water.

Tail: 207 sks Class "G" cement with 2% CaCl<sub>2</sub>, ¼#/sk Flocele mixed at 15.6 ppg, 1.18 ft<sup>3</sup>/sk.,

5.2 gps water.

**Top Out**: As necessary with Class "G" cement with 2% CaCl<sub>2</sub>, ¼#/sk Flocele mixed at 15.6

ppg, 1.18 ft<sup>3</sup>/sk., 5.2 gps water.

Note: Cement volumes will be calculated to bring lead cement to surface and tail

cement to 500'above the casing shoe.

#### **Production Hole Procedure (2300'± - TD)**

Lead: 146 sks: Hi-Lift "G" w/12% D20 (Bentonite), 1% D79 (Extender), 5% D44

(Salt), 0.2% D46 (Antifoam), 0.25% D112 (Fluid Loss Additive), 0.25 pps D29

(cello flakes) mixed at 11.0 ppg, 3.91 ft<sup>3</sup>/sk., 24.5 gps water.

Tail: 865 sks: 50:50 Poz "G" w/ 2% D20 (Bentonite), 0.1% D46 (Antifoam), 0.075%

D13 (Retarder), 0.2% D167 (Fluid Loss Additive), 0.2% D65 (Dispersant),

mixed at 14.1 ppg, 1.28 ft<sup>3</sup>/sk., 5.9gps water.

**Note**: The above number of sacks is based on gauge-hole calculation.

Lead volume to be calculated to bring cement to 200'± above 9-5/8" casing shoe. Tail volume to be calculated to bring cement to 400'± above top of Wasatch.

Final Cement volumes will be based upon gauge-hole plus 45% excess.

# **HOSS 124-34**

# NE/SE, SEC. 34, T8S, R23E, S.L.B.&M.. UINTAH COUNTY, UTAH

#### 10. ABNORMAL CONDITIONS:

#### Surface Hole (Surface - 2300'±):

Lost circulation

# Production Hole (2300'± - TD):

Sloughing shales, lost circulation and key seat development are possible in the Wasatch Formation.

### 11. STANDARD REQUIRED EQUIPMENT:

- A. Choke Manifold
- B. Upper and Lower Kelly Cock
- C. Stabbing Valve
- D. Visual Mud Monitoring

### 12. <u>HAZARDOUS CHEMICALS:</u>

No chemicals subject to reporting under SARA title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

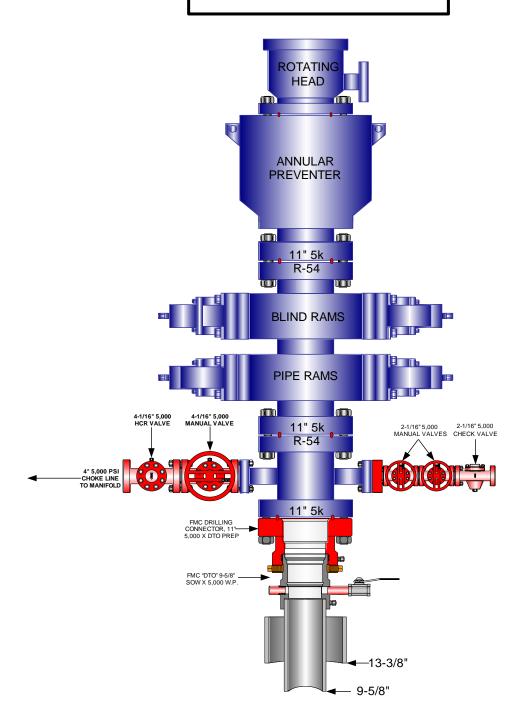
### 13. Air Drilling Operations:

- 1. Main Air Compressors are 1250 CFM 350 psi with 2000 psi Boosters and are rig mounted.
- 2. Secondary Air Compressors are 1170 CFM 350 psi with 2000 psi Boosters and are rig mounted.
- Minimum setting depth of conductor casing will be 60' GL or 10'± into competent formation, whichever is deeper, as determined by the EOG person in charge. Exceptions must be approved by an EOG drilling superintendent or manager.
- 4. The diameter of the diverter flow line will be a minimum of 10" to help reduce back pressure on the well bore during uncontrolled flow.
- 5. Rat and Mouse hole drilling will occur only after surface casing has been set and cemented.
- EOG Resources, Inc. will use a properly maintained and lubricated stripper head.

(Attachment: BOP Schematic Diagram)

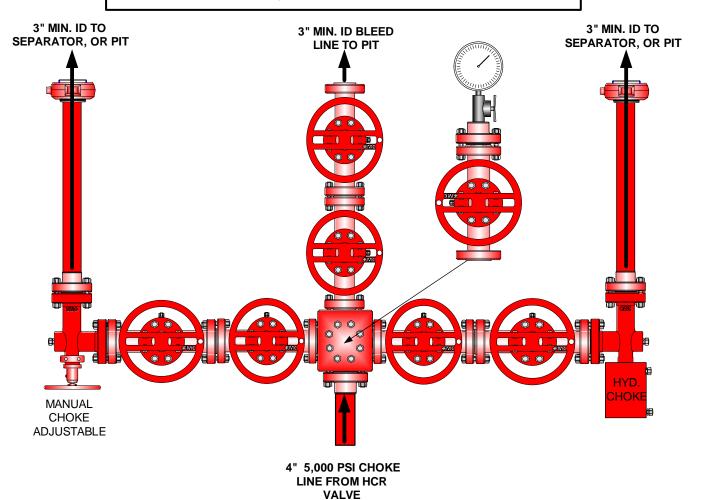
EOG RESOURCES 11" 5,000 PSI W.P. BOP CONFIGURATION

PAGE 1 OF 2



# EOG RESOURCES CHOKE MANIFOLD CONFIGURATION W/ 5,000 PSI WP VALVES

PAGE 2 0F 2



# Testing Procedure:

- 1. BOP will be tested with a professional tester to conform to Onshore Order #2.
- 2. Blind and Pipe rams will be tested to rated working pressure, 5,000 psi.
- 3. Annular Preventer will be tested to 50% working pressure, 2,500 psi. Casing will be tested to 0.22 psi / ft. or 1,500 psi. Not to exceed 70% of burst strength, whichever is greater.
- 4. All lines subject to well pressure will be tested to the same pressure as blind and pipe rams.
- 5. All BOPE specifications and configurations will meet Onshore Order #2 requirements.



# Hoss 124-34 NESE, Section 34, T8S, R23E Uintah County, Utah

#### SURFACE USE PLAN

EOG Resources, Inc., hereby applies under Section 28 of the Act of February 25, 1920 (41 state. 449), (30 U.S.C. Section 185) as amended by the Act of November 16, 1973, (87 Stat. 576) and requests that this APD serve as the construction, operations and maintenance plan for the right-of-way application for the pipeline on federal lands. A 30-year right-of-way term is requested.

The requested pipeline right-of-way on Federal acreage necessary is approximately 220' x 8', located within Federal Lease #UTU76042 containing 0.04 acre more or less (see attached survey plats and maps).

The requested road right-of-way on Federal acreage necessary is approximately 200' x 30', located within Federal Lease #UTU76042 containing 0.14 acre more or less (see attached survey plats and maps).

The well pad is approximately 375 feet long with a 261-foot width, containing 3.49 acres more or less. The well access road is approximately 792 feet long with a 30-foot right-of-way, disturbing approximately 0.55acre. New surface disturbance associated with access road and the well pad is estimated to be approximately 4.04 acres. The pipeline is approximately 1333 feet long with a 8-foot permanent right-of-way and a 40-foot temporary right-of-way disturbing approximately 1.22 acres.

#### 1. EXISTING ROADS:

- A. See attached Plats showing directional reference stakes on location, and attached TOPO Map "B" showing access to location from existing roads.
- B. The proposed well site is located approximately 33.1 miles south of Vernal, Utah See attached TOPO Map "A".
- C. Refer to attached Topographic Map "A" showing labeled access route to location.
- D. Existing roads will be maintained and repaired as necessary.

#### 2. PLANNED ACCESS ROAD:

A. The access road will be approximately 1848 feet in length. Culverts will be used as necessary. See attached Topo B.

- B. The access road has a 30-foot right-of-way with an 18 foot running surface.
- C. Maximum grade of the new access road will be 8 percent.
- D. No turnouts will be required.
- E. Road drainage crossings shall be of the typical dry creek drainage crossing type.
- F. No bridges, or major cuts and fills will be required.
- G. The access road will be dirt surface.
- H. No gates, cattleguards, or fences will be required or encountered.
- I. A 30-foot permanent right-of-way is requested. No surfacing material will used.
- J. No additional storage areas will be needed for storing equipment, stockpiling, or vehicle parking.

All travel will be confined to existing access road rights-of-way.

New or reconstructed roads will be centerlined – flagged at time of location staking. Access roads and surface disturbing activities will conform to standards outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development, Fourth Edition and/or BLM Manual Section 9113 concerning road construction standards on projects subject to federal jurisdiction.

The road shall be constructed/upgraded to meet the standards of the anticipated traffic flow and all-weather road requirements. Construction/upgrading shall include ditching, draining, graveling, crowning, and capping the roadbed as necessary to provide a well-constructed, safe road. Prior to upgrading, the road shall be cleared of any snow cover and allowed to dry completely. Traveling off the 40-foot right-of-way will not be allowed. Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossing nor shall the roadbed block the drainages. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around then avoided.

As operator, EOG Resources, Inc. shall be responsible for all maintenance on cattleguards, or gates associated with this oil and/or gas operation.

Traveling off the 30-foot right-of-way will not be allowed. The access road and associated drainage structures will be constructed and maintained in accordance with road guidelines contained in the joint BLM/USFS publication: Surface Operating Standards for Oil and Gas Exploration and Development, Third Edition, and/or BLM Manual Section 9113 concerning road construction standards on projects subject to federal jurisdiction. During the drilling and production phase of operations, the road surface and shoulders will be kept in a safe and useable condition and drainage ditches and culverts will be kept clear and free flowing.

Approximately 200-feet of the proposed access road is located within Section 35 Lease UTU76042 and will required a Federal Right-of-Way.

#### 3. LOCATION OF EXISTING WELLS WITHIN A ONE-MILE RADIUS:

See attached TOPO map "C" for the location of wells within a one-mile radius.

#### 4. LOCATION OF EXISTING AND/OR PROPOSED PRODUCTION FACILITIES:

#### A. On Well Pad

- 1. Production facilities will be set on location if the well is successfully completed for production. Facilities will consist of wellhead valves, combo separator-dehy unit with meter, two (2) 400-bbl vertical tanks and attaching piping.
- 2. Gas gathering lines A 4" gathering line will be buried from dehy to the edge of the location.

#### B. Off Well Pad

- 1. Proposed pipeline will transport natural gas.
- 2. The pipeline will be a permanent feeder line.
- 3. The length of the proposed pipeline is 1333 x 8'. The proposed pipeline leaves the northern edge of the well pad (Lease UTU64422) proceeding in a northerly then easterly direction for an approximate distance of 1333-feet tieing into an existing pipeline in the NWSE of Section 35, T8S, R23E. Pipe will be 4" NOM, 0.156 wall, Grade X42, Zap-Lock, electric weld with a 35 mil X-Tru coating.
- 4. Proposed pipeline will be a 4" OD steel, zap-lok line laid on the surface
- 5. Proposed pipeline will be laid on surface.
- 6. A 8-foot permanent pipeline right-of-way is requested. A 40-foot temporary pipeline right-of-way for construction purposes is requested, the temporary right-of-way will be utilized for a 10-day period.
- 7. The proposed pipeline route begins in the NESE of section 34, township 8S, range 23E, proceeding northerly then easterly for an approximate distance of 1113-feet to the eastern border of section 35, T8S, R23E, proceeding for an approximate distance of 220-feet to the NWSE of Section 35, T8S, R23E.

An off lease pipeline right-of-way will be required for approximately 220feet located within Section 35, T8S, R23E. 8. Pipeline will be coupled using the Zap lock method. No additional off-pad facilities will be required.

All permanent (on site for six months or longer) structures constructed or installed (including pumping units) will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within 6 months of installation. All facilities will be painted with Carlsbad Canyon. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded.

#### 5. LOCATION AND TYPE OF WATER SUPPLY:

- A. Water supply will be from Ouray Municipal Water Plant at Ouray, Utah, and/or Bonanza Power Plant water source in Sec 26, T8S, R23E, Uintah County, UT (State Water Right # 49-225(A31368)). Water will be hauled by a licensed trucking company.
- B. Water will be hauled by a licensed trucking company.
- C. No water well will be drilled on lease.

#### 6. Source of Construction Materials:

- A. All construction material for this pipeline will be of native borrow and soil accumulated during the construction of the location.
- B. No mineral materials will be required.

#### 7. METHODS OF HANDLING WASTE DISPOSAL:

#### A. METHODS AND LOCATION

- 1. Cuttings will be confined and dried in a cuttings pit. Dried cuttings shall be spread on the access road.
- 2. A portable toilet will be provided for human waste during the drilling and completion of the well. Disposal will be at the Vernal sewage disposal plant.
- 3. Burning will not be allowed. Trash and other waste material will be contained in a wire mesh cage and disposed of at the Uintah County Landfill.
- 4. Produced wastewater will be confined to a storage tank for a period not to exceed 90 days after initial production. After the 90 day period, the produced water will be contained in a tank on location and then disposed of at one of the following locations: Natural Buttes Unit 21-20B SWD, Ace Disposal, CWU 550-30N SWD CWU 2-29 SWD, Red Wash Evaporation Ponds 1, 2, 3, 4, 5, 6, or 7, or Coyote Evaporation Ponds 1, 2, 3, or 4, or White River Evaporation Ponds 1, or 2 or Hoss SWD Facility, right-of-way UTU 86010, UTU 897093 or EOG

Resources, Inc. drilling operations (Chapita Wells Unit, Natural Buttes Unit & Stagecoach Unit).

- 5. All chemicals will be disposed of at an authorized disposal site. Drip pans and absorbent pads will be used on the drilling rig to avoid leakage of oil to the pit.
- B. Water from drilling fluids and recovered during testing operations will be disposed of by either natural or artificial evaporation methods, or by removed and disposed of at an authorized disposal site. Introduction of well bore hydrocarbons to the closed loop system will be avoided by flaring them off in the flare pit at the time of recovery.

The referenced well will be drilling utilizing a closed loop system. The closed loop system will be installed in a manner that preventing leaks, breaks, or discharge. Drill cutting will be contained in an area approximately 50' x 100'. The surface drill cuttings pile will be bermed and lined with bentonite. Drill cuttings will be dried and spread on location. More stringent protective requirements may be deemed necessary by the A.O.

EOG Resources, Inc. maintains a file, per 29 CFR 1910.1200 (g) containing current Material Safety Data Sheets (MSDS) for all chemicals, compounds, and/or substances which are used during the course of construction, drilling, completion, and production operations for this project. Hazardous materials (substances) which may be found at the site may include drilling mud and cementing products which are primarily inhalation hazards, fuels (flammable and/or combustible), materials that may be necessary for well completion/ stimulation activities such as flammable or combustible substances and acids/gels (corrosives). The opportunity for Superfund Amendments and Reauthorization Act (SARA) listed Extremely Hazardous Substances (EHS) at the site is generally limited to proprietary treating chemicals. All hazardous and EHS and commercial preparations will be handled in an appropriate manner to minimize the potential for leaks or spills to the environment.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completion of the well. Furthermore, extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will not be used, produced, stored, transported, or disposed of in association with the drilling, testing or completion of the well.

#### 8. ANCILLARY FACILITIES:

None anticipated.

#### 9. WELL SITE LAYOUT:

A. Refer to attached well site plat for related topography cuts and fills and cross sections.

- B. Refer to attached well site plat for rig layout and soil material stockpile location as approved on On-site.
- C. Refer to attached well site plat for rig orientation, parking areas, and access road.

The proposed location will be drilled utilizing a closed loop system.

The stockpiled pit topsoil (first six inches) will be stored separate from the location topsoil. The stockpiled location topsoil will be stored in a location providing easy access for interim reclamation and protect of the topsoil. Upon completion of construction, the stockpiled topsoil from the location will be broadcast seeded with the approved seed mixture.

Access to the well pad will be from the North.

#### 10. Plans for Reclamation of the Surface:

#### A. Interim Reclamation (Producing Location)

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, materials, trash, and junk not required for production.

Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with CFR 3162.7-1.

If a plastic nylon reinforced liner is used, it shall be torn and perforated before backfilling of the reserve pit.

The portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours – See attached Figure #3. The reserve pit will be reclaimed within 90 days from the date of the well completion, or as soon as environmental conditions allow. Before any dirt takes place, the reserve pit must be completely dry and free of all foreign obstacles.

The stockpiled pit topsoil will then be spread over the pit area and drill seeded with the prescribed seed mixture for this location.

Seed Mixture	Drilled Rate (lbs./acre PLS*)
Indian Ricegrass	3.0
Yellow Beeplant	1.0
Squirreltail	2.5
Thickspike Wheatgrass	5.0
James Galleta	5.0
Munro's Globemallow	5.0

<sup>\*</sup>Pure live seed (PLS) formula: percent of purity of seed mixture times percent germination of seed mixture equals portion of seed mixture that is PLS.

# B. Dry Hole/Abandoned Location

At such time as the well is plugged and abandoned, the operator will submit a subsequent report of abandonment and the BLM will attach the appropriated surface rehabilitation conditions of approval.

#### 11. SURFACE OWNERSHIP:

Surface ownership of the proposed well site, access road, and pipeline route is as follows:

**Bureau of Land Management** 

#### 12. OTHER INFORMATION:

- A. EOG Resources, Inc. will inform all persons in the area who are associated with this project that they are subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator will immediately stop work that might further disturb such materials, and contact the Authorized Officer. Within five working days the Authorized Officer will inform the operator as to:
  - Whether the materials appear eligible for the National Register of Historic Places;
  - The mitigation measures the operator will likely have to undertake before the site can be used.
  - A time frame for the Authorized Officer to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the Authorized Officer are correct and that mitigation is appropriate.

If the operator wished, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the Authorized Officer will

assume responsibility for whatever recordation and stabilization of the exposed materials that may be required. Otherwise, the operator will be responsible for mitigation costs. The Authorized Officer will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the Authorized Officer that required mitigation has been completed, the operator will then be allowed to resume construction.

- B. As operator, EOG Resources, Inc. will control noxious weeds along Right-of-Ways for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds will be obtained from the BLM administered land, a Pesticide Use proposal shall be submitted, and given approval, prior to the application or herbicides or other pesticides or possible hazardous chemicals.
- C. Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on BLM lands after the conclusion of drilling operations or at any other time without BLM authorization. However, if BLM authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities. (The BLM does not seek to compete with private industry. There are commercial facilities available for stacking and storing drilling rigs.)
- D. The drilling rig and ancillary equipment will be removed from the location prior to commencement of completion operations. Completion operations will be conducted utilizing a completion/workover rig.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice of Lessees. The operator is fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Construction activity will not be conducted using frozen or saturated soils material or during periods when watershed damage is likely to occur.

If the existing access road, proposed access road, and proposed pad are dry during construction, drilling, and completion activities, water will be applied, as needed, to help facilitate compaction during construction and to minimize soil loss as a result of wind erosion.

A cultural resources survey was conducted and submitted by Montgomery Archaeological Consultants on November 24, 2009, MOAC report # 8-298. A paleontological survey was conducted and submitted by Intermountain Paleo on January 20, 2009, IPC report # 08-317.

Page 9

# **Additional Surface Stipulations:**

The referenced well will be drilled utilizing a closed loop system minimizing surface and environmental impacts.

As per onsites a threatened and endangered survey will be conducted and submitted to the authorized officer.

Page 10

#### LESSEE OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION:

# **PERMITTING AGENT**

Kaylene R. Gardner EOG Resources, Inc. P.O. Box 1815 Vernal, UT 84078 (435) 781-9111

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved plan of operations, and any applicable Notice to Lessees. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to insure compliance.

The operator or his/her contractor shall contact the BLM office at (435) 781-4400 forty-eight (48) hours prior to construction activities.

Page 11

#### **CERTIFICATION:**

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by EOG Resources, Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Please be advised that EOG Resources, Inc. is considered to be the operator of the Hoss 124-34 Well, located in the NESE, of Section 34, T8S, R23E, Uintah County, Utah; Federal land and minerals; and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond Coverage is under Bond # NM 2308.

August 21, 2009	
Date	Kaylene R. Gardner Regulatory Administrator

# **EOG RESOURCES, INC.**

HOSS #124-34

LOCATED IN UINTAH COUNTY, UTAH SECTION 34, T8S, R23E, S.L.B.&M.

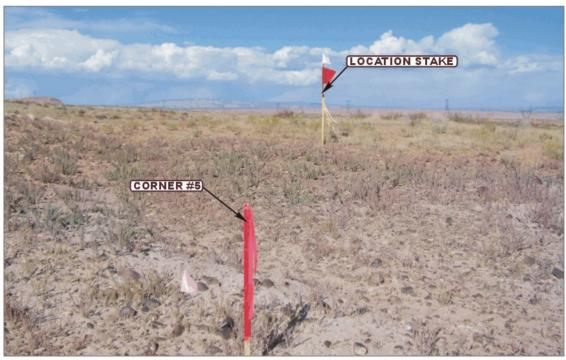


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHEASTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

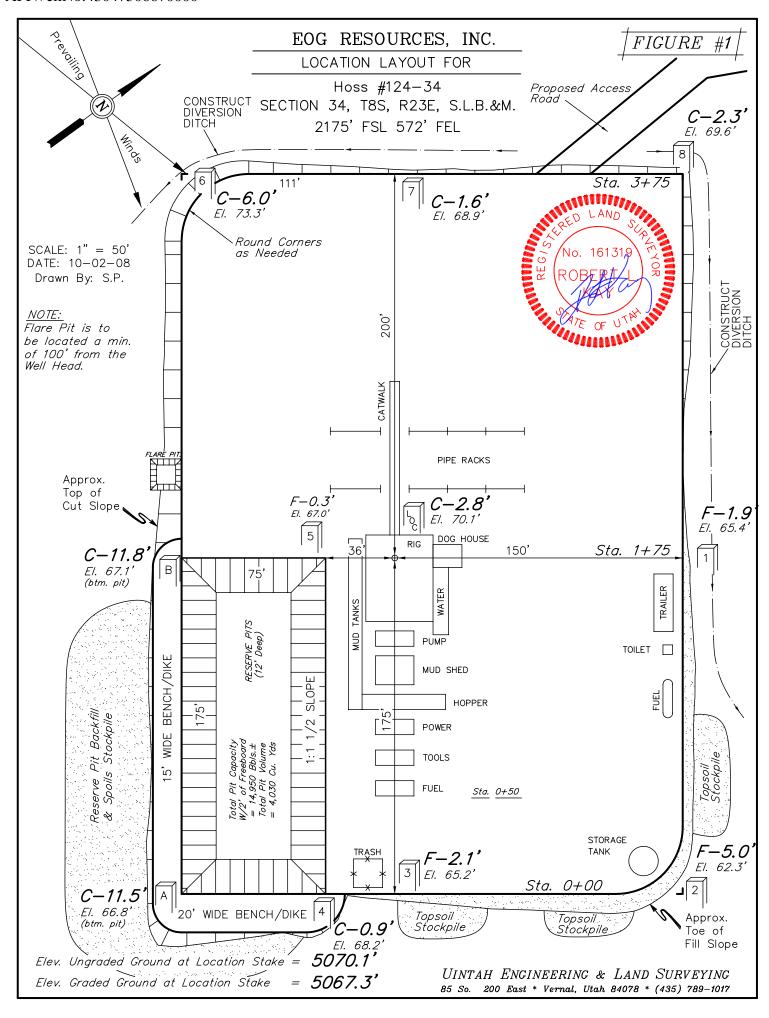
CAMERA ANGLE: SOUTHWESTERLY

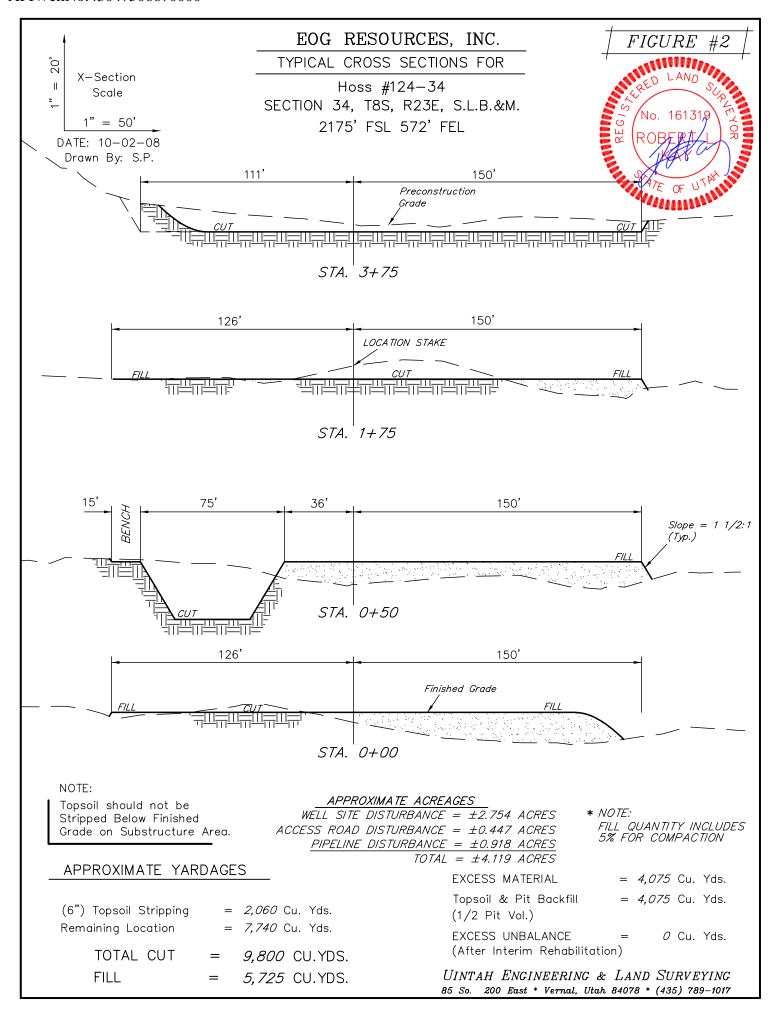


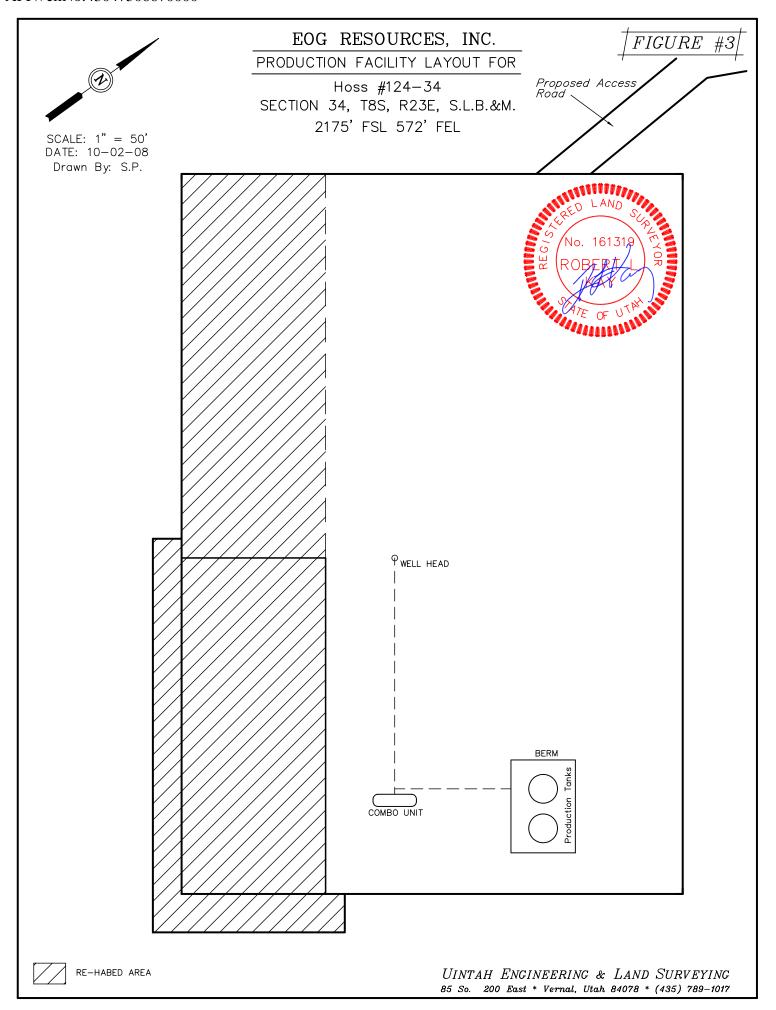
LOCATION PHOTOS		10 MONTH	03 DAY	08 YEAR	РНОТО
TAKEN BY: C.R.	DRAWN BY: J.H.	. REV	ISED: 0	0-00-00	

INC.

#### T8ST9SLEGEND: N00°07'07"W -2638.93' (Meas.) N00°09'01"W -2634.92' II 1916 Brass Cap 1.2' High, Pile of Stones 1977 Brass Cap 0.7' High, Small pile of Stones PROPOSED WELL HEAD 90° SYMBOL SECTION CORNERS LOCATED 1916 Brass Cap N89°50'49"E -N89°53'02"W 2641.85' (Meas.) 2644.10' (Meas. R23E, S.L.B.&M Elev. Ungraded Ground LATITUDE LONGITUDE LONGITUDE LATITUDE (NAD 27) (NAD 83) 34 #124-34 1916 Brass Cap 1.3' High, Scattered Stones 1977 Brass Cap 0.4' High, Pile of Stones N89°57'39"W S89°49'39"E II II II 10918'20.97" 109°18'18.53" 40.04'40.60" 40°04'40.48" 1 1 2639.44' (Meas.) 2638.80 5070 (40.077911) (109.305147)(40.077944)(109.305825) 1916 Brass Cap 1.0' High, Steel 1916 Brass Cap 0.7' High, Steel Post, Scattered (Meas. 2175 738.46 572 S00°08'18"E 2644.77 S00°09'58"E 2635.25 Brass Cap PARTY SCALE WEATHER DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4697 FEET. 35, T8S, R21E, S.L.B.&M., TAKEN FROM THE OURAY SE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES BENCH MARK 20EAM LOCATED IN THE SE 1/4 OF SECTION 85 SOUTH \_; shown in the NE 1/4 SE 1/4 of Section 34, Well location, HOSS #124—34, located as T8S, R23E, S.L.B.&M., Uintah County, Utah. UNTAH ġ THIS IS TO CERTIFY THAT THE ABOVE PLAY WAS PREPARED THE FIELD NOTES OF ACTUAL SURVEYS MANY BY ME OR TUNDER WE SUPERVISION AND THAT THE SAME AT TRUE AND CORRECT THE FIELD OF THE SURVEY AND CORRECT THE SAME AT TRUE AND CORRECT THE SAME AND CORRECT THE SAME AT TRUE AND CORRECT TH BASIS OF BEARINGS IS A G.P.S. OBSERVATION. BEST OF MY KNOWLEDGE AND BELIE 1000 . В.Е. 1000 臣OG ENGINEERING 200 EAST BASIS OF BEARINGS BASIS OF S.P. 500 RESOURCES, S (435) 789–1017 С А L CERTIFICATE STATE ON UTAMPE OF UTAM REGIS REGISTRATION, NO. 161319 ELEVATION ጵ F REFERENCES DATE SURVEYED: 10-01-08 EOG RESOURCES, ш VERNAL, UTAH PRED LAND ISUAVEYOR G.L.O. LAND INC. PLAT SURVEYING 1000 DATE DRAWN: 10-02-08 84078



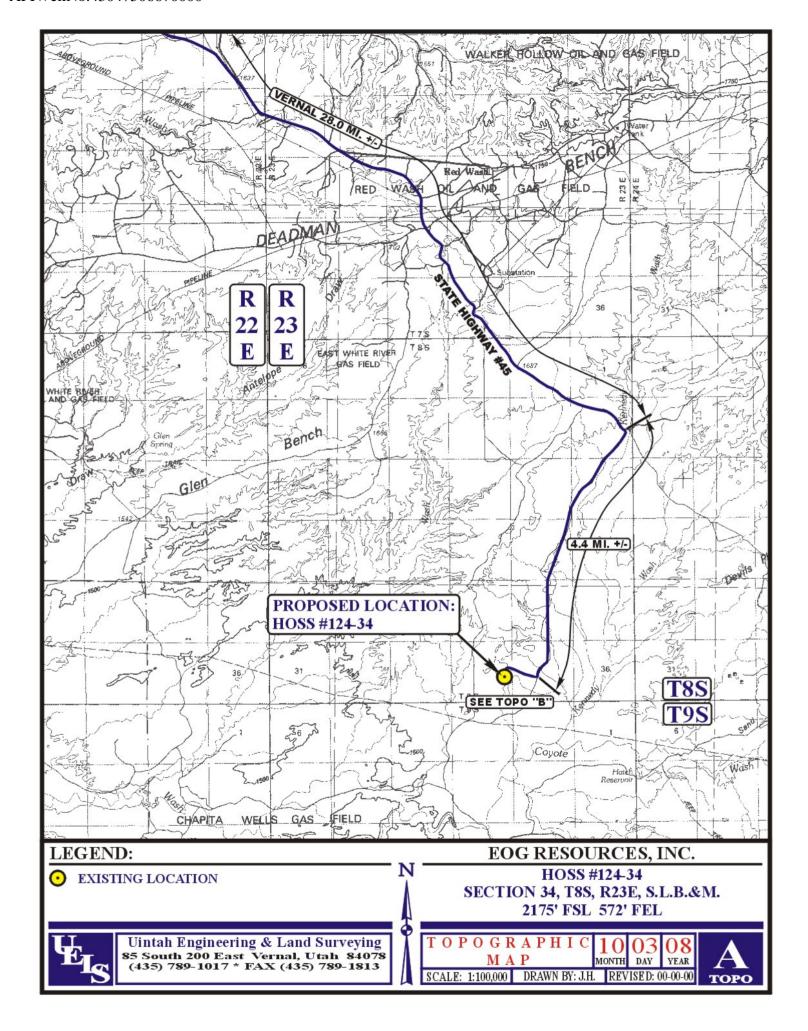


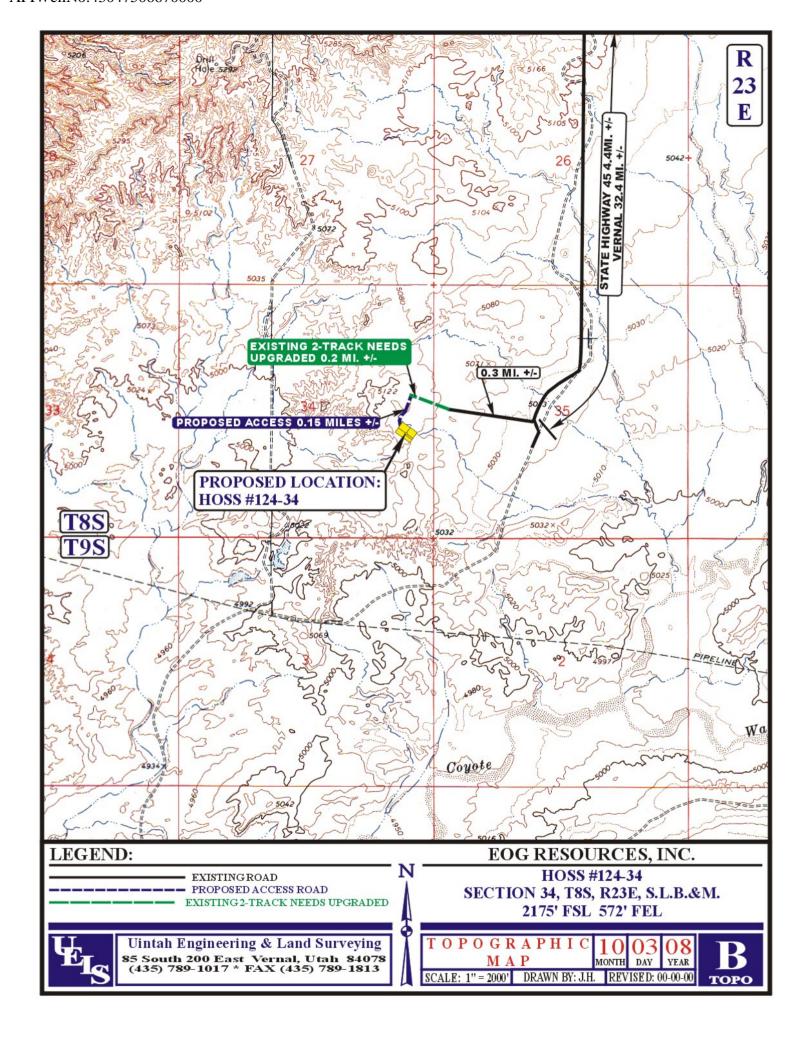


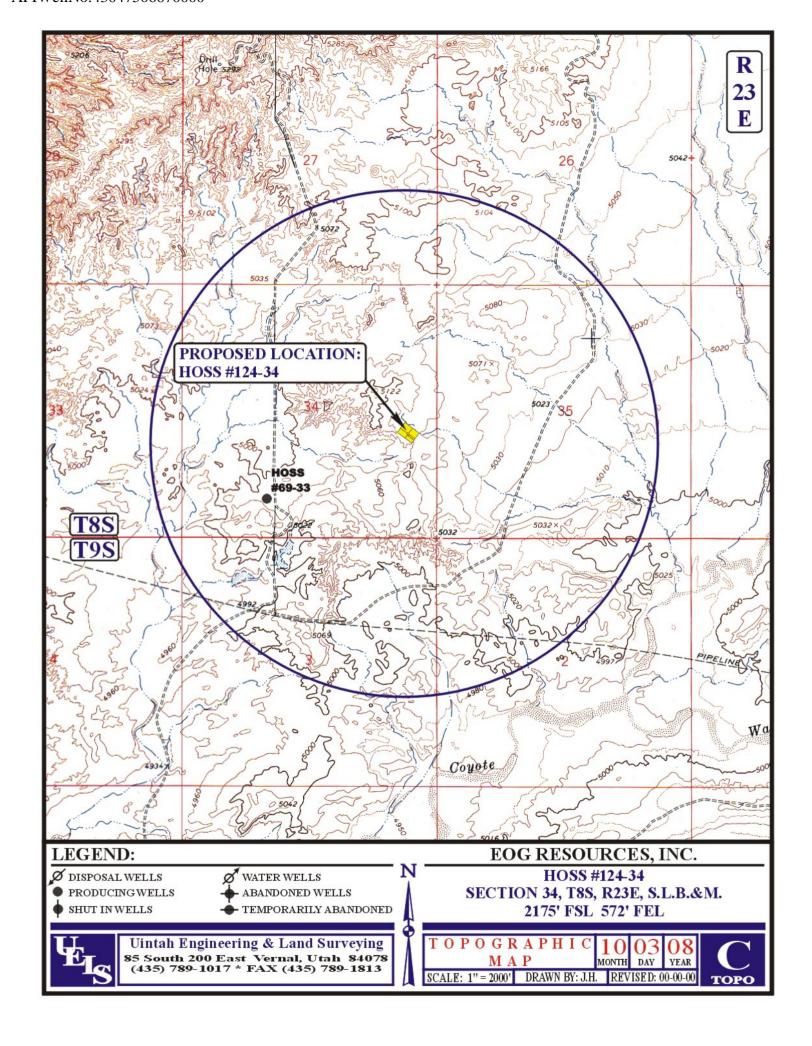
# EOG RESOURCES, INC. HOSS #124-34 SECTION 35, T8S, R23E, S.L.B.&M.

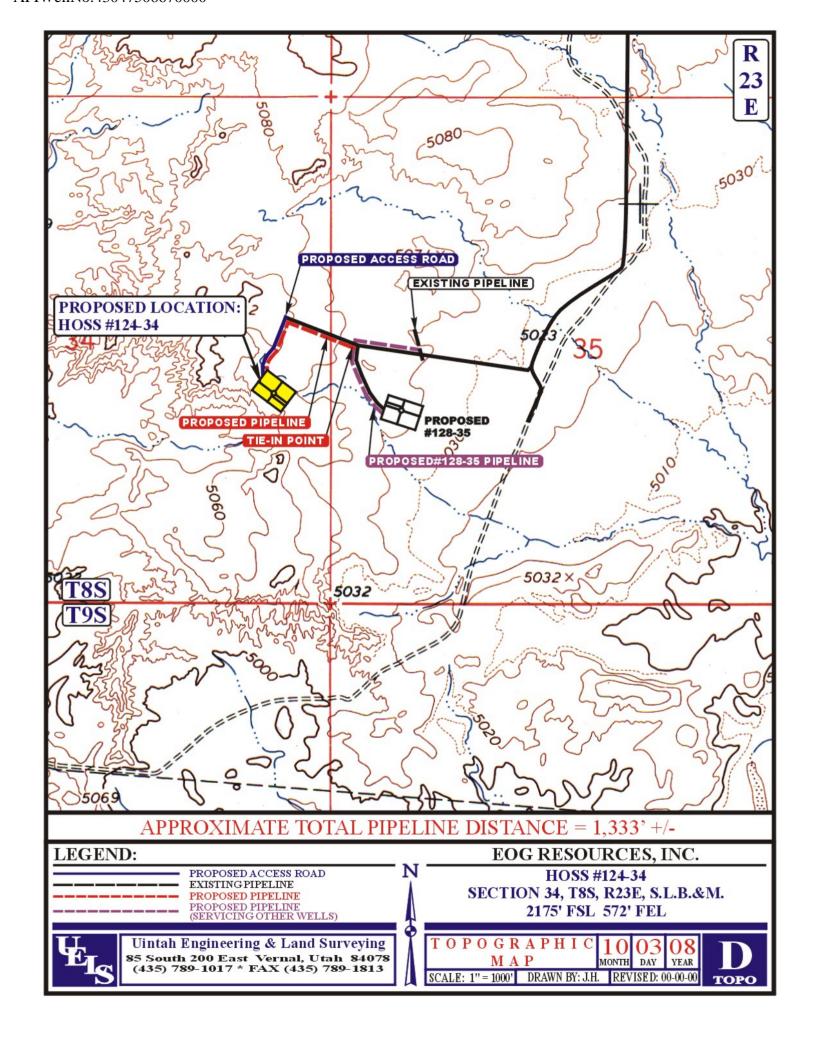
PROCEED IN AN EASTERLY, THEN SOUTHERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 3.9 MILES TO THE JUNCTION OF STATE HIGHWAY 45; EXIT RIGHT AND PROCEED IN A SOUTHERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 24.1 MILES ON STATE HIGHWAY 45 TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 4.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; TURN RIGHT AND PROCEED IN AN WESTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE BEGINNING OF THE EXISTING 2-TRACK TO THE WEST; PROCEED IN A WESTERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE SOUTH; FOLLOW ROAD FLAGS IN A SOUTHERLY DIRECTION APPROXIMATELY 0.15 MILES TO THE PROPOSED LOCATION.

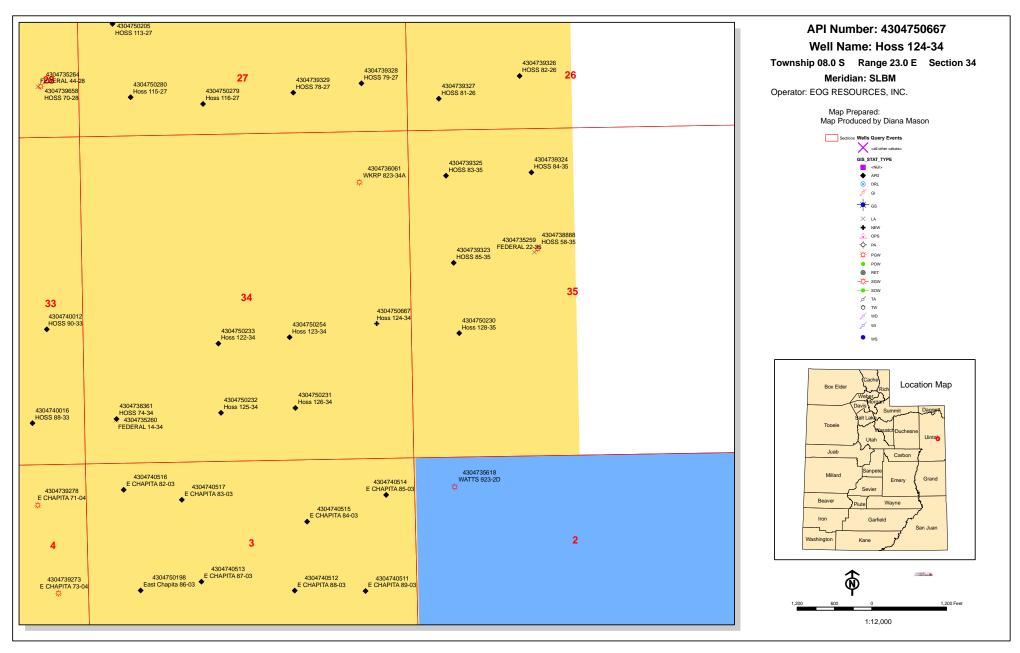
TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 33.05 MILES.











# WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED:	8/23/2009	<b>API NO. ASSIGNED:</b> 43047506670000
WELL NAME:	Hoss 124-34	
OPERATOR:	EOG Resources, Inc	c. (N9550) <b>PHONE NUMBER:</b> 435 781-9111
CONTACT:	Kaylene Gardner	
PROPOSED LOCATION:	NESE 34 080S 230E	Permit Tech Review:
SURFACE:	2175 FSL 0572 FEL	Engineering Review:
воттом:	2175 FSL 0572 FEL	Geology Review: ✓
COUNTY:	UINTAH	
LATITUDE:	40.07793	<b>LONGITUDE:</b> -109.30512
UTM SURF EASTINGS:	644517.00	<b>NORTHINGS:</b> 4437573.00
FIELD NAME:	NATURAL BUTTES	
LEASE TYPE:	1 - Federal	
LEASE NUMBER:	UTU64422	PROPOSED PRODUCING FORMATION(S): WASATCH-MESA VERDE
SURFACE OWNER:	1 - Federal	COALBED METHANE: NO
DECETIVED AND (OD DEVICE)		LOCATION AND CITTURE
RECEIVED AND/OR REVIE	WED:	LOCATION AND SITING:
<u>⊮</u> PLAT		R649-2-3.
<b>▶ Bond:</b> FEDERAL - NM23	08	Unit:
Potash		R649-3-2. General
Oil Shale 190-5		
Oil Shale 190-3		R649-3-3. Exception
Oil Shale 190-13		✓ Drilling Unit
<b>✓</b> Water Permit: 49-225		Board Cause No: Cause 179-15
RDCC Review:		Effective Date: 7/17/2008
Fee Surface Agreeme	nt	Siting: 460' fr exterior lease boundary
Intent to Commingle		R649-3-11. Directional Drill
Commingling Approved		
Comments: Presite Co	mpleted	
<b></b>		
<b>Stipulations:</b> 4 - Feder	ral Approval - dmasor	n

API Well No: 43047506670000



# State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER

Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

# **Permit To Drill**

\*\*\*\*\*

Well Name: Hoss 124-34 API Well Number: 43047506670000

**Lease Number:** UTU64422 **Surface Owner:** FEDERAL **Approval Date:** 8/31/2009

#### **Issued to:**

EOG Resources, Inc., 1060 East Highway 40, Vernal, UT 84078

#### **Authority:**

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 179-15. The expected producing formation or pool is the WASATCH-MESA VERDE Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

#### **Duration:**

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

#### General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

# **Conditions of Approval:**

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

#### **Notification Requirements:**

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

• Within 24 hours following the spudding of the well – contact Carol Daniels at 801-538-5284 (please leave a voicemail message if not available) OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at https://oilgas.ogm.utah.gov

#### **Reporting Requirements:**

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) due within 5 days of spudding the well
- Monthly Status Report (Form 9) due by 5th day of the following calendar month

API Well No: 43047506670000

- Requests to Change Plans (Form 9) due prior to implementation
- Written Notice of Emergency Changes (Form 9) due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) due prior to implementation
- Report of Water Encountered (Form 7) due within 30 days after completion
- Well Completion Report (Form 8) due within 30 days after completion or plugging

Approved By:

Gil Hunt

Associate Director, Oil & Gas

Til Hut

SUNDE  Do not use this form for proposition-hole depth, reenter plu DRILL form for such proposals.  1. TYPE OF WELL Gas Well  2. NAME OF OPERATOR: EOG Resources, Inc.  3. ADDRESS OF OPERATOR: 1060 East Highway 40 , Verna  4. LOCATION OF WELL FOOTAGES AT SURFACE: 2175 FSL 0572 FEL	PHON I, UT, 84078 435 781-911	5.LEASE DESIGNATION AND SERIAL NUMBER: UTU64422  6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7.UNIT OF CA AGREEMENT NAME:  8. WELL NAME and NUMBER: Hoss 124-34  9. API NUMBER: 43047506670000  9. FIELD and POOL OF WILDCAT: NATURAL BUTTES  COUNTY: UINTAH	
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: NESE Section: 34	<b>P, RANGE, MERIDIAN:</b> Township: 08.0S Range: 23.0E Meridian: S		STATE: UTAH
11.	CK APPROPRIATE BOXES TO INDICAT	E NATURE OF NOTICE, REPORT,	OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	□ ACIDIZE □ CHANGE TO PREVIOUS PLANS □ CHANGE WELL STATUS □ DEEPEN □ OPERATOR CHANGE □ PRODUCTION START OR RESUME □ REPERFORATE CURRENT FORMATION □ TUBING REPAIR □ WATER SHUTOFF □ WILDCAT WELL DETERMINATION  MPLETED OPERATIONS. Clearly show all pert respectfully requests the APD extended for one year.	for the referenced well be	
NAME (PLEASE PRINT) Mickenzie Gates	<b>PHONE NUMBER</b> 435 781-9145	TITLE Operations Clerk	
SIGNATURE N/A		<b>DATE</b> 8/3/2010	



#### The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices** 

# Request for Permit Extension Validation Well Number 43047506670000

**API:** 43047506670000 **Well Name:** Hoss 124-34

Location: 2175 FSL 0572 FEL QTR NESE SEC 34 TWNP 080S RNG 230E MER S

Company Permit Issued to: EOG RESOURCES, INC.

**Date Original Permit Issued:** 8/31/2009

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

require revi	sion. Following is a chec	klist of some ite	ms related to the a	pplication, v	which should be verified.
	ated on private land, has ed? 📗 Yes 順 No	the ownership	changed, if so, has	the surface	agreement been
	any wells been drilled in requirements for this lo			hich would	affect the spacing or
	nere been any unit or oth s proposed well?		put in place that co	ould affect th	e permitting or operation
	there been any changes the proposed location?		_	ership, or rig	htof- way, which could
• Has th	ne approved source of w	ater for drilling	changed? 🔵 Yes	No	
	there been any physical je in plans from what wa				
• Is bor	nding still in place, which	n covers this pro	posed well? 🌘 Y	es 🔵 No	Approved by the Utah Division of I, Gas and Mining
Signature:	Mickenzie Gates	<b>Date:</b> 8/3/2010			
Title:	Operations Clerk Represe	enting: EOG RES	OURCES, INC.	Date:_	August 03, 2010
	•	_	•	By:	, 00 cg/VV

Form 3160-3 (August 2007)

RECEIVED

UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT** 

AUG 2 4 2009

FORM APPROVED OMB No. 1004-0136 Expires July 31, 2010

Lease Serial No. UTU64422

APPLICATION FOR PERIVIT	TO DRILL OR REENLEY	6. If Indian, Allottee or Tribe Name
Ia. Type of Work: DRILL REENTER		7. If Unit or CA Agreement, Name and No.
Ib. Type of Well:       □ Oil Well       ☑ Gas Well       □ Otl         2. Name of Operator       Contact:	her Single Zone Multiple Zone KAYLENE R GARDNER	Lease Name and Well No.     HOSS 124-34      API Well No.
EOG RESOURCES, INC. E-Mail: kaylene	_gardner@eogresources.com	43-047-50667
3a. Address 1060 EAST HIGHWAY 40 VERNAL, UT 84078	3b. Phone No. (include area code) Ph: 435-781-9111	10. Field and Pool, or Exploratory NATURAL BUTTES
4. Location of Well (Report location clearly and in accord	ance with any State requirements.*)	11. Sec., T., R., M., or Blk. and Survey or Area
At surface NESE 2175FSL 572FEL 4	0.07791 N Lat, 109.30583 W Lon	Sec 34 T8S R23E Mer SLB
At proposed prod. zone NESE 2175FSL 572FEL 4	0.07791 N Lat, 109.30583 W Lon	
14. Distance in miles and direction from nearest town or post 33.1 MILES SOUTH OF VERNAL, UT	office*	12. County or Parish 13. State UINTAH UT
<ol> <li>Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)</li> <li>465</li> </ol>	16. No. of Acres in Lease 1920.00	17. Spacing Unit dedicated to this well
<ol> <li>Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft.</li> <li>2305</li> </ol>	19. Proposed Depth 9350 MD 9350 TVD	20. BLM/BIA Bond No. on file NM2308
21. Elevations (Show whether DF, KB, RT, GL, etc. 5070 GL	22. Approximate date work will start	23. Estimated duration 45-DAYS
	24. Attachments	
The following, completed in accordance with the requirements of	of Onshore Oil and Gas Order No. 1, shall be attached to	this form:
<ol> <li>Well plat certified by a registered surveyor.</li> <li>A Drilling Plan.</li> <li>A Surface Use Plan (if the location is on National Forest Sys SUPO shall be filed with the appropriate Forest Service Of</li> </ol>	Item 20 above). tem Lands, the 5. Operator certification	ons unless covered by an existing bond on file (see formation and/or plans as may be required by the
25. Signature (Electronic Submission)	Name (Printed/Typed) KAYLENE R GARDNER Ph: 435-781-9	111 Date 08/23/2009
Title REGULATORY ADMINISTRATOR		
Approved by (Signature)	Name (Printed/Typed)  Jerry Kenczka	DJUN 1 4 201
Assistant Field Manager Lands & Mineral Resources	VERNAL FIELD OF	
Application approval does not warrant or certify the applicant hoperations thereon.  Conditions of approval, if any, are attached.	DITIONS OF APPROVAL ATTACHED	lease which would entitle the applicant to conduct
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, States any false, fictitious or fraudulent statements or representations.	make it a crime for any person knowingly and willfully	to make to any department or agency of the United
Additional Operator Pemarke (see payt page)		RECEIVED

Electronic Submission #73579 verified by the BLM Well Information System For EOG RESOURCES, INC., sent to the Vernal Committed to AFMSS for processing by GAIL JENKINS on 08/25/2009 ()

JUN 2 0 2011

DIV. OF OIL, GAS & MINING

OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\*

096-XJ0139AE

1105 11-11-2008



### UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT **VERNAL FIELD OFFICE** 170 South 500 East

**VERNAL, UT 84078** 

(435) 781-4400



#### CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:	EOG Resources, Inc.	Location:	NESE, Sec. 34, T8S, R23E
Well No:	HOSS 124-34	Lease No:	UTU-64422
API No:	43-047-50667	Agreement:	N/A

**OFFICE NUMBER:** 

(435) 781-4400

OFFICE FAX NUMBER:

(435) 781-3420

#### A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.

#### **NOTIFICATION REQUIREMENTS**

Location Construction (Notify Environmental Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	_	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	_	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings to: ut vn opreport@blm.gov.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

Page 2 of 6 Well: HOSS 124-34 3/22/2011

#### SURFACE USE PROGRAM CONDITIONS OF APPROVAL (COAs)

- All new and replacement internal combustion gas field engines of less than or equal to 300 designrated horsepower must not emit more than 2 gms of NO<sub>x</sub> per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower.
- All and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 gms of NO<sub>x</sub> per horsepower-hour.
- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.
- No construction, drilling or fracturing operations will occur during the following periods:
  - Burrowing Owl 3/1-8/31
- Permission to clear all wildlife stipulations will only be approved by the BLM authorized officer
  during the specific timing for the species potentially affected by this action. An exception may be
  requested in writing; surveys conducted by a BLM biologist or qualified consulting firm biologist will
  be reviewed and approved by a BLM minerals biologist before signing off on the exception.

Page 3 of 6 Well: HOSS 124-34 3/22/2011

#### DOWNHOLE PROGRAM CONDITIONS OF APPROVAL (COAs)

#### SITE SPECIFIC DOWNHOLE COAs:

- A formation integrity test shall be performed at the surface casing shoe.
- Gamma Ray Log shall be run from Total Depth to Surface.

#### **Variances Granted**

#### Air Drilling

- Dust suppression equipment. Variance granted for water mist system to substitute for the dust suppression equipment.
- Blooie line discharge 100' from the well bore, variance granted for blooie line discharge to be 75' from the well bore.
- Compressors located in the opposite direction from the blooie line a minimum of 100' from the well bore. Variance granted for truck/trailer mounted air compressors.
- Straight run blooie line. Variance granted for targeted "T's" at bends.
- Automatic igniter. Variance granted for igniter due to water mist.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

#### DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily
  drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order
  No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a
  test pump with a chart recorder and <u>NOT</u> by the rig pumps. Test shall be reported in the driller's
  log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.

Page 4 of 6 Well: HOSS 124-34 3/22/2011

- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- Cement baskets shall not be run on surface casing.
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is
  encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal
  Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM,
   Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

Page 5 of 6 Well: HOSS 124-34 3/22/2011

#### **OPERATING REQUIREMENT REMINDERS:**

 All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.

- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at www.ONRR.gov.
- Should the well-be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location (¼¼, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - o The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - o Unit agreement and/or participating area name and number, if applicable.
  - o Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid,

Page 6 of 6 Well: HOSS 124-34 3/22/2011

and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first.
   All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering
  lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a
  suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be
  obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover
  equipment shall be removed from a well to be placed in a suspended status without prior approval
  of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior
  approval of the BLM Vernal Field Office shall be obtained and notification given before resumption
  of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

Sundry Number: 17318 API Well Number: 43047506670000

	STATE OF UTAH			FORM 9	
DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING				5.LEASE DESIGNATION AND SERIAL NUMBER: UTU64422	
SUNDRY NOTICES AND REPORTS ON WELLS				6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
	sals to drill new wells, significantly deepe igged wells, or to drill horizontal laterals.			7.UNIT or CA AGREEMENT NAME:	
1. TYPE OF WELL Gas Well				8. WELL NAME and NUMBER: HOSS 124-34	
2. NAME OF OPERATOR: EOG Resources, Inc.				9. API NUMBER: 43047506670000	
3. ADDRESS OF OPERATOR: 1060 East Highway 40 , Verna		ONE NUMBER 111 Ext	:	9. FIELD and POOL or WILDCAT: NATURAL BUTTES	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2175 FSL 0572 FEL				COUNTY: UINTAH	
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: NESE Section: 34	P, RANGE, MERIDIAN: Township: 08.0S Range: 23.0E Meridian:	S		STATE: UTAH	
11. CHE	CK APPROPRIATE BOXES TO INDICA	ATE NATUR	E OF NOTICE, REPORT,	OR OTHER DATA	
TYPE OF SUBMISSION		T	YPE OF ACTION		
	CHANGE TO PREVIOUS PLANS CHANGE WELL STATUS DEEPEN OPERATOR CHANGE PRODUCTION START OR RESUME REPERFORATE CURRENT FORMATION TUBING REPAIR WATER SHUTOFF WILDCAT WELL DETERMINATION PROPERED OPERATIONS. Clearly show all per respectfully requests the AP extended for one year	COMMIN  FRACTUI  PLUG AN  RECLAM  SIDETRA  VENT OF  SI TA ST  OTHER  ertinent detail	TUBING  IGLE PRODUCING FORMATIONS  RE TREAT  AD ABANDON  ATION OF WELL SITE  ACK TO REPAIR WELL  R FLARE  TATUS EXTENSION  IS including dates, depths, we referenced well be	Accepted by the Utah Division of Oil, Gas and Mining  ate: 08/04/2011	
NAME (PLEASE PRINT) Nanette Lupcho	<b>PHONE NUMBER</b> 435 781-9157		<b>E</b> ulatory Assistant		
SIGNATURE N/A		<b>DATI</b> 8/4/	E 2011		

Sundry Number: 17318 API Well Number: 43047506670000



#### The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices** 

# Request for Permit Extension Validation Well Number 43047506670000

**API:** 43047506670000 **Well Name:** HOSS 124-34

Location: 2175 FSL 0572 FEL QTR NESE SEC 34 TWNP 080S RNG 230E MER S

Company Permit Issued to: EOG RESOURCES, INC.

**Date Original Permit Issued:** 8/31/2009

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

<ul> <li>If located on private land, has the ownership changed, if so, has the surface agreement been updated?</li> <li>Yes</li> <li>No</li> </ul>
<ul> <li>Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?</li> <li>Yes</li> <li>No</li> </ul>
<ul> <li>Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?</li> <li>Yes</li> <li>No</li> </ul>
<ul> <li>Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?</li> <li>Yes</li> <li>No</li> </ul>
• Has the approved source of water for drilling changed?   Yes  No
<ul> <li>Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?</li> <li>Yes</li> <li>No</li> </ul>
• Is bonding still in place, which covers this proposed well?   Yes   No

**Signature:** Nanette Lupcho **Date:** 8/4/2011

**Title:** Regulatory Assistant **Representing:** EOG RESOURCES, INC.

Sundry Number: 177777 Approval of this: 43047506670000

Action is Necessary

	STATE OF UTAH DEPARTMENT OF NATURAL RESOURCE	res	FORM 9	
	DIVISION OF OIL, GAS, AND MI	5.LEASE DESIGNATION AND SERIAL NUMBER: UTU64422		
SUND	RY NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
Do not use this form for proposition-hole depth, reenter plu DRILL form for such proposals.	sals to drill new wells, significantly deeper agged wells, or to drill horizontal laterals.	n existing wells below current Use APPLICATION FOR PERMIT TO	7.UNIT or CA AGREEMENT NAME:	
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: HOSS 124-34	
2. NAME OF OPERATOR: EOG Resources, Inc.			<b>9. API NUMBER:</b> 43047506670000	
3. ADDRESS OF OPERATOR: 1060 East Highway 40 , Verna		DNE NUMBER: 111 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2175 FSL 0572 FEL			COUNTY: UINTAH	
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: NESE Section: 34	IP, RANGE, MERIDIAN: Township: 08.0S Range: 23.0E Meridian:	S	STATE: UTAH	
11. CHE	CK APPROPRIATE BOXES TO INDICA	TE NATURE OF NOTICE, REPORT	, OR OTHER DATA	
TYPE OF SUBMISSION		TYPE OF ACTION		
	☐ ACIDIZE	ALTER CASING	CASING REPAIR	
NOTICE OF INTENT Approximate date work will start: 8/22/2011	✓ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	CHANGE WELL NAME	
0/22/2011	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE	
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION	
·	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK	
SPUD REPORT	☐ PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION	
Date of Spud:	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON	
_	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL	
DRILLING REPORT Report Date:	☐ WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION	
	☐ WILDCAT WELL DETERMINATION	OTHER	OTHER:	
EOG Resources, Inc.	mpleted operations. Clearly show all perespectfully requests to change well from 9350' to 9440	ge the TD for the reference	•	
NAME (PLEASE PRINT) Mickenzie Gates	<b>PHONE NUMBER</b> 435 781-9145	TITLE Operations Clerk		
SIGNATURE N/A		<b>DATE</b> 8/22/2011		

Sundry Number: 27667 API Well Number: 43047506670000

	STATE OF UTAH		FORM 9
	DEPARTMENT OF NATURAL RESOUR DIVISION OF OIL, GAS, AND MI	5.LEASE DESIGNATION AND SERIAL NUMBER: UTU64422	
SUNDF	RY NOTICES AND REPORTS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
	oposals to drill new wells, significantly reenter plugged wells, or to drill horiz n for such proposals.		7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Gas Well		8. WELL NAME and NUMBER: HOSS 124-34	
2. NAME OF OPERATOR: EOG Resources, Inc.			9. API NUMBER: 43047506670000
3. ADDRESS OF OPERATOR: 600 17th Street, Suite 1000	0 N , Denver, CO, 80202	PHONE NUMBER: 435 781-9111 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2175 FSL 0572 FEL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNS	HIP, RANGE, MERIDIAN: 4 Township: 08.0S Range: 23.0E Meri	dian: S	STATE: UTAH
11. CHEC	K APPROPRIATE BOXES TO INDICA	ATE NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
7	ACIDIZE	ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
7/10/2012	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION
Date of Work Completion:	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK
	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
SPUD REPORT Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL
DRILLING REPORT	WATER SHUTOFF	SI TA STATUS EXTENSION	✓ APD EXTENSION
Report Date:		OTUER	OTHER
	WILDCAT WELL DETERMINATION	□ OTHER	OTHER:
I .	COMPLETED OPERATIONS. Clearly show		
EOG Resources, II	nc. respectfully requests the well be extended for one y		Approved by the Utah Division of
	well be extended for one y	/Eai.	Oil, Gas and Mining
			Date: July 11, 2012
			Date: Sdiy 11, 2512
			By: Dollars
NAME (DI EASE DOINT)	PHONE NUM	BER TITLE	
NAME (PLEASE PRINT) Vail Nazzaro	303 824-5590	Sr. Regulatory Assistant	
SIGNATURE N/A		<b>DATE</b> 7/10/2012	

Sundry Number: 27667 API Well Number: 43047506670000



#### The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices** 

#### Request for Permit Extension Validation Well Number 43047506670000

**API:** 43047506670000 **Well Name:** HOSS 124-34

Location: 2175 FSL 0572 FEL QTR NESE SEC 34 TWNP 080S RNG 230E MER S

Company Permit Issued to: EOG RESOURCES, INC.

Date Original Permit Issued: 8/31/2009

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

• If located on private land, has the ownership changed, if so, has the surface agreement been updated?  Yes  No
Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?       Yes       No
• Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?  Yes No
• Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?  Yes No
• Has the approved source of water for drilling changed?   Yes  No
<ul> <li>Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?</li> <li>Yes</li> <li>No</li> </ul>
• Is bonding still in place, which covers this proposed well?   Yes   No
natura. Vail Nazzara Pata: 7/10/2012

Signature: Vail Nazzaro Date: 7/10/2012

Title: Sr. Regulatory Assistant Representing: EOG RESOURCES, INC.

Sundry Number: 41062 API Well Number: 43047506670000

	STATE OF UTAH	2050			FORM 9	
1	DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING			5.LEASE UTU64	DESIGNATION AND SERIAL NUMBER: 422	
SUNDR	SUNDRY NOTICES AND REPORTS ON WELLS			6. IF INDIAN, ALLOTTEE OR TRIBE NAME:		
	posals to drill new wells, significantl reenter plugged wells, or to drill horiz n for such proposals.			7.UNIT or CA AGREEMENT NAME:		
1. TYPE OF WELL Gas Well				8. WELL NAME and NUMBER: HOSS 124-34		
2. NAME OF OPERATOR: EOG Resources, Inc.				9. API NUMBER: 43047506670000		
3. ADDRESS OF OPERATOR: 600 17th Street, Suite 1000	) N , Denver, CO, 80202		NE NUMBER: 35 781-9111 Ext		and POOL or WILDCAT: AL BUTTES	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2175 FSL 0572 FEL				COUNTY		
QTR/QTR, SECTION, TOWNSH	HIP, RANGE, MERIDIAN: 4 Township: 08.0S Range: 23.0E Mer	idian: S	5	STATE: UTAH		
11. CHECI	K APPROPRIATE BOXES TO INDICA	ATE N	ATURE OF NOTICE, REPOR	RT, OR O	THER DATA	
TYPE OF SUBMISSION			TYPE OF ACTION			
-	ACIDIZE		ALTER CASING		CASING REPAIR	
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS		CHANGE TUBING		CHANGE WELL NAME	
8/6/2013	CHANGE WELL STATUS		COMMINGLE PRODUCING FORMATIONS		CONVERT WELL TYPE	
SUBSEQUENT REPORT	DEEPEN	□ F	FRACTURE TREAT		NEW CONSTRUCTION	
Date of Work Completion:	OPERATOR CHANGE	F	PLUG AND ABANDON		PLUG BACK	
	PRODUCTION START OR RESUME	F	RECLAMATION OF WELL SITE		RECOMPLETE DIFFERENT FORMATION	
SPUD REPORT Date of Spud:	REPERFORATE CURRENT FORMATION		SIDETRACK TO REPAIR WELL		TEMPORARY ABANDON	
	TUBING REPAIR		/ENT OR FLARE		WATER DISPOSAL	
DRILLING REPORT	WATER SHUTOFF		SI TA STATUS EXTENSION	1	APD EXTENSION	
Report Date:			OTHER	APD EXTENSION		
	WILDCAT WELL DETERMINATION		DIHER	OTHE	IR:	
	COMPLETED OPERATIONS. Clearly showns. respectfully requests the				umes, etc.  Approved by the	
LOG Nesources, ii	well be extended for one				Utah Division of	
	non de extended for ene	, oa		0	il, Gas and Mining	
				Date:	August 07, 2013	
				Dutci	Ol 1113200 8	
				Ву:	District	
NAME (PLEASE PRINT)	PHONE NUM	IBER	TITLE			
Vail Nazzaro	303 824-5590		Sr. Regulatory Assistant			
SIGNATURE N/A			<b>DATE</b> 8/6/2013			

Sundry Number: 41062 API Well Number: 43047506670000



#### The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices** 

#### Request for Permit Extension Validation Well Number 43047506670000

API: 43047506670000 Well Name: HOSS 124-34

Location: 2175 FSL 0572 FEL QTR NESE SEC 34 TWNP 080S RNG 230E MER S

Company Permit Issued to: EOG RESOURCES, INC.

Date Original Permit Issued: 8/31/2009

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

• If located on private land, has the ownership changed, if so, has the surface agreement been updated?  Yes  No
• Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?  Yes No
<ul> <li>Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?</li> <li>Yes</li> <li>No</li> </ul>
• Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? ( Yes ( No
• Has the approved source of water for drilling changed? 🔘 Yes 🍺 No
• Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?   Yes  No
• Is bonding still in place, which covers this proposed well?   Yes   No
nature: Vail Nazzaro Date: 8/6/2013

Sig

Title: Sr. Regulatory Assistant Representing: EOG RESOURCES, INC.

Sundry Number: 54341 API Well Number: 43047506670000

	FORM 9			
STATE OF UTAH  DEPARTMENT OF NATURAL RESOURCES  DIVISION OF OIL, GAS, AND MINING			5.LEASE DESIGNATION AND SERIAL NUMBER: UTU64422	
SUNDRY NOTICES AND REPORTS ON WELLS			6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.			7.UNIT or CA AGREEMENT NAME:	
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: HOSS 124-34	
2. NAME OF OPERATOR: EOG RESOURCES, INC.			9. API NUMBER: 43047506670000	
3. ADDRESS OF OPERATOR: 600 17th Street, Suite 1000	0 N , Denver, CO, 80202	<b>PHONE NUMBER:</b> 435 781-9111 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES	
4. LOCATION OF WELL FOOTAGES AT SURFACE:			COUNTY: UINTAH	
2175 FSL 0572 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 34 Township: 08.0S Range: 23.0E Meridian: S			STATE: UTAH	
11. CHEC	K APPROPRIATE BOXES TO INDICAT	E NATURE OF NOTICE, REPOR	RT, OR OTHER DATA	
TYPE OF SUBMISSION		TYPE OF ACTION		
7	ACIDIZE	ALTER CASING	CASING REPAIR	
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME	
8/8/2014	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE	
SUBSEQUENT REPORT	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION	
Date of Work Completion:	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK	
	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION	
SPUD REPORT Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON	
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL	
DRILLING REPORT	WATER SHUTOFF	SI TA STATUS EXTENSION	✓ APD EXTENSION	
Report Date:	WILDCAT WELL DETERMINATION	OTHER	OTHER:	
12 DESCRIBE PROPOSED OR	COMPLETED OPERATIONS. Clearly show a	all nertinent details including dates	denths volumes etc	
I .	nc. respectfully requests the		Approved by the	
well be extended for one year.  What we will be extended for one year.  What we will be extended for one year.  Oil, Gas and Mining				
			Date:	
			By: Ballyll	
NAME (PLEASE PRINT) Donna J Skinner	PHONE NUMB 303 262-9467	ER TITLE Sr. Regulatory Assistant		
SIGNATURE	000 202 0401	DATE		
N/A		8/8/2014		

Sundry Number: 54341 API Well Number: 43047506670000



#### The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices** 

#### Request for Permit Extension Validation Well Number 43047506670000

API: 43047506670000 Well Name: HOSS 124-34

Location: 2175 FSL 0572 FEL QTR NESE SEC 34 TWNP 080S RNG 230E MER S

Company Permit Issued to: EOG RESOURCES, INC.

Date Original Permit Issued: 8/31/2009

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

		e : e : a : c : c : a p p : e a : c : c : c : c : c : c : c : c : c :	
	cated on private land, ha	s the ownership changed, if so, has the su	urface agreement been updated? 🔵
	e any wells been drilled i irements for this location	n the vicinity of the proposed well which n? ( Yes ( No	would affect the spacing or siting
	there been any unit or o osed well? 🔘 Yes 隀	ther agreements put in place that could a	ffect the permitting or operation of this
	e there been any changes osed location?	s to the access route including ownership s 📵 No	, or rightof- way, which could affect the
• Has	the approved source of v	water for drilling changed? 🔵 Yes 📵	No
		I changes to the surface location or accessed at the onsite evaluation? 🔵 Yes 🧵	
• Is bo	onding still in place, whic	ch covers this proposed well? 🌘 Yes 🤇	) No
Signature:	Donna J Skinner	Date: 8/8/2014	

Title: Sr. Regulatory Assistant Representing: EOG RESOURCES, INC.



# **United States Department of the Interior**

**BUREAU OF LAND MANAGEMENT** 

Green River District Vernal Field Office 170 South 500 East Vernal, UT 84078

http://www.blm.gov/ut/st/en/fo/vernal.html

JUL 15 2015



Kaylene Gardner EOG Resources, Inc. 600 17TH STREET, SUITE 1000 N DENVER, CO 80202

RECEIVED

AUG 03 2015

OW. OF OIL, GAS & MINING

Dear Ms. Gardner:

The referenced Applications for Permit to Drill (APD) have expired. According to our records, no known activity has transpired at the approved location. In view of the foregoing, this office is notifying you that the approval of the referenced applications has expired. If you intend to drill at these locations in the future, a new Application for Permit to Drill must be submitted.

43-047

Lease	Well		Aliquot	Sec., T., R.	Date Rec'd	Date Exp'd
UTU-64422	HOSS 121-34	50723	NWSW	Sec. 34-T8S-R23E	9/3/2009	6/14/2015
UTU-64422	HOSS 124-34	50667	NESE	Sec. 34-T8S-R23E	8/24/2009	6/14/2015
UTU-64422	HOSS 127-34	50722	SESE	Sec. 34-T8S-R23E	9/3/2009	6/14/2015

This office requires a letter confirming that no surface disturbance has been made for these drill sites. Any surface disturbance associated with the approved location of these wells is to be rehabilitated. A schedule for this rehabilitation must be submitted to this office. Your cooperation in this matter is appreciated.

If you have any questions regarding this matter, please contact Robin R. Hansen at (435) 781-3428.

Sincerely,

/s/ Jerry Kenczka

Jerry Kenczka Assistant Field Manager Lands & Mineral Resources

CC:

UDOGM

bcc:

Well File

I&E Asst.



# State of Utah

#### DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA

Division Director

**September 10, 2015** 

EOG Resources, Inc. 600 17th Street, Suite 1000 N Denver, CO 80202

Re: APDs Rescinded for EOG Resources Inc., Uintah County

Ladies and Gentlemen:

Enclosed find the list of APDs that is being rescinded. No drilling activity at these locations has been reported to the division. Therefore, approval to drill these wells is hereby rescinded as of September 10, 2015.

A new APD must be filed with this office for approval <u>prior</u> to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,

iana Mason

**Environmental Scientist** 

cc:

Well File

Bureau of Land Management, Vernal



43-047-36955	SCU 87-20
43-047-37135	N Chapita 293-28
43-047-50470	_
	CWU 1455-21
43-047-50543	CWU 1447-19
43-047-50540	CWU 1443-19
43-047-50541	CWU 1444-19
43-047-50544	CWU 1437-19
43-047-50556	CWU 1421-34
43-047-50559	SCW 30-03
43-047-50561	SCW 28-03
43-047-50582	SCW 26-03
43-047-50586	CWU 1394-03
43-047-50587	CWU 1404-34
43-047-50588	CWU 1439-19
43-047-50614	CWU 1452-29
43-047-50615	CWU 1454-29
43-047-50617	CWU 1457-29
43-047-50618	CWU 1458-29
43-047-50622	CWU 1445-19
43-047-50666	EC 114-05
43-047-50667	HOSS 124-34
43-047-50676	CWU 1469-34
43-047-50677	EC 111-05
43-047-51121	HOSS 52-29
43-047-51173	CWU 1536-25D
43-047-51174	CWU 1537-25D
43-047-51175	CWU 1538-25D
43-047-51176	CWU 1539-25D
43-047-51177	CWU 1540-25D
15 517 51177	C W C 1540 25D



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Environmental Scientist

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